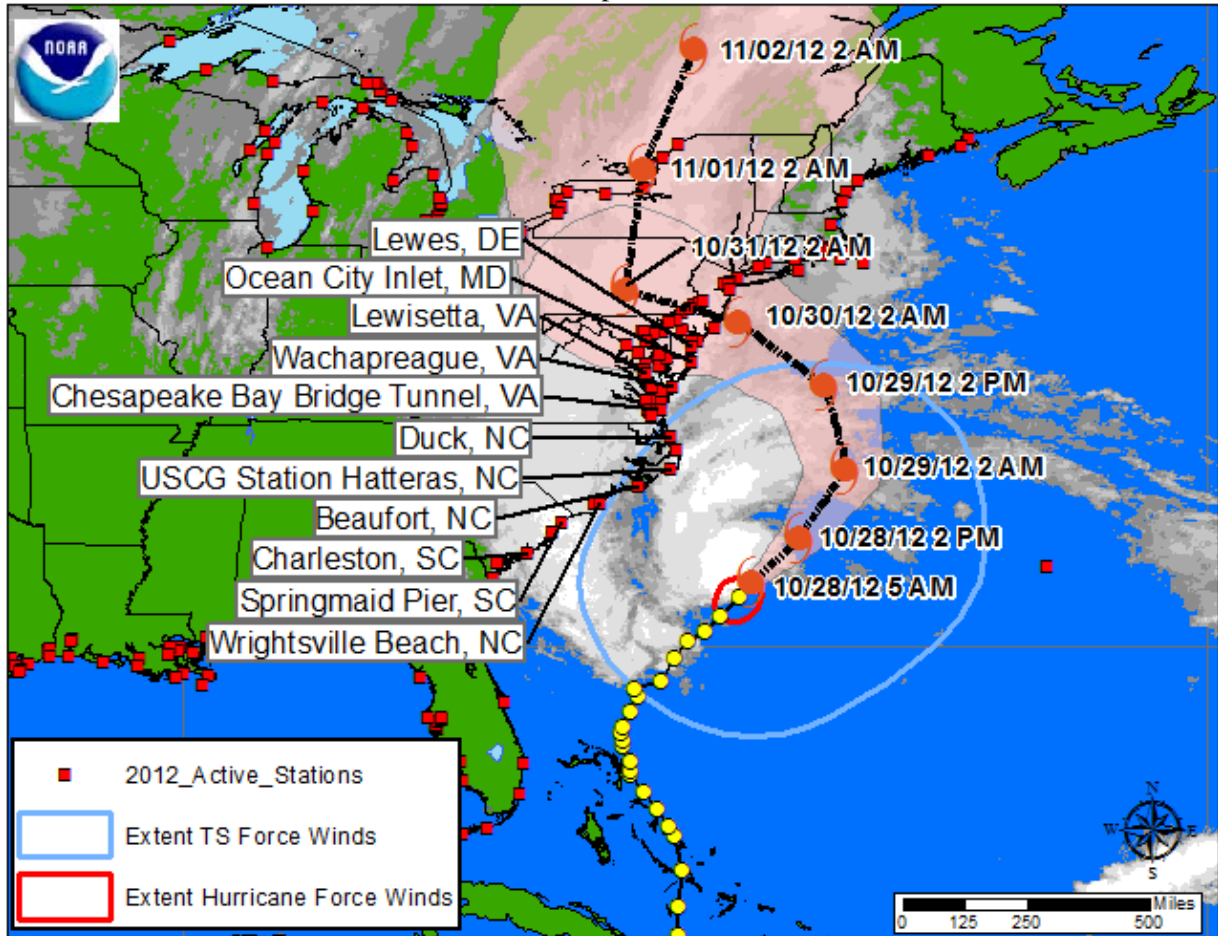




Hurricane SANDY QuickLook
Posted: 06:00 EDT 10/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/28/2012 06:00 EDT, water levels from northern Florida to Delaware are elevated. Water level residuals along northeast Florida, Georgia and South Carolina are oscillating with the tide and at present are 0.5 to 1.0 feet above tidal predictions. However, water level residuals have reached 2 to 3 feet at many of these locations over the past 6 to 12 hours. Water levels from North Carolina to Delaware, including southern Chesapeake Bay are rising and range from 0.7 to 2.6 feet above tidal predictions. Much of this area will experience high tide over the next few hours.

Winds along the South Carolina coast range from 10 to 20 knots with some gusts up to 25 knots. Wind speeds from North Carolina to the Chesapeake Bay Bridge Tunnel, VA are rising and range from 20 to 40 knots with some gusts to 50 knots along the Outer Banks of North Carolina. Winds along the Atlantic coast from Wachapreague, VA to Lewes, DE range from 10-25 knots with higher gusts. Barometric pressure continues to fall from South Carolina to Delaware.

Hurricane SANDY QuickLook, POSTED 06:00 EDT 10/28/2012

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Wrightsville Beach, NC: Next predicted high tides are 4.8 ft (1.47 m) at 10/28/2012 06:53 EDT and 4.2 ft (1.29 m) at 10/28/2012 19:11 EDT.

Beaufort, NC: Next predicted high tides are 3.8 ft (1.16 m) at 10/28/2012 07:29 EDT and 3.3 ft (1.02 m) at 10/28/2012 19:41 EDT.

USCG Station Hatteras, NC: Next predicted high tides are 1.0 ft (0.30 m) at 10/28/2012 08:12 EDT and 0.8 ft (0.24 m) at 10/28/2012 20:38 EDT.

Duck, NC: Next predicted high tides are 4.0 ft (1.22 m) at 10/28/2012 07:05 EDT and 3.3 ft (1.03 m) at 10/28/2012 19:20 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 3.2 ft (0.97 m) at 10/28/2012 08:02 EDT and 2.7 ft (0.82 m) at 10/28/2012 20:16 EDT.

Wachapreague, VA: Next predicted high tides are 5.0 ft (1.51 m) at 10/28/2012 08:00 EDT and 4.3 ft (1.33 m) at 10/28/2012 20:16 EDT.

Lewisetta, VA: Next predicted high tides are 1.6 ft (0.50 m) at 10/28/2012 13:23 EDT and 1.4 ft (0.44 m) at 10/29/2012 01:42 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.5 ft (0.77 m) at 10/28/2012 07:41 EDT and 2.2 ft (0.67 m) at 10/28/2012 19:50 EDT.

Lewes, DE: Next predicted high tides are 4.8 ft (1.46 m) at 10/28/2012 08:18 EDT and 4.2 ft (1.28 m) at 10/28/2012 20:38 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.9 ft (1.80 m) at 10/28/2012 07:03 EDT and 5.4 ft (1.68 m) at 10/28/2012 19:22 EDT.

Charleston, SC: Next predicted high tides are 6.2 ft (1.90 m) at 10/28/2012 07:29 EDT and 5.7 ft (1.74 m) at 10/28/2012 19:51 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 24
NWS NATIONAL HURRICANE CENTER MIAMI FL AL182012
500 AM EDT SUN OCT 28 2012

...SANDY EXPECTED TO BRING STRONG WINDS AND A SIGNIFICANT STORM SURGE TO THE MID-ATLANTIC STATES AND SOUTHERN NEW ENGLAND...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING SOUTH OF CAPE FEAR NORTH CAROLINA IS DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * CAPE FEAR TO DUCK NORTH CAROLINA
- * PAMLICO AND ALBEMARLE SOUNDS
- * BERMUDA

IN ADDITION...HIGH WIND WATCHES AND WARNINGS...ALONG WITH OTHER WATCHES AND WARNINGS...ARE IN EFFECT FOR THE MID-ATLANTIC STATES AND MUCH OF NEW ENGLAND. SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT THE CENTER OF HURRICANE SANDY WAS LOCATED ABOUT 395 MI E OF CHARLESTON SOUTH CAROLINA AND ABOUT 260 MI SSE OF CAPE HATTERAS NORTH CAROLINA. SANDY IS MOVING TOWARD THE NORTHEAST NEAR 13 MPH AND THIS GENERAL MOTION IS FORECAST TO CONTINUE THROUGH TODAY. A TURN TOWARD THE NORTH AND THEN NORTHWEST IS FORECAST ON MONDAY. ON THE FORECAST TRACK...THE CENTER OF SANDY WILL MOVE PARALLEL TO THE SOUTHEAST COAST OF THE UNITED STATES TODAY AND TONIGHT...AND APPROACH THE COAST OF THE MID-ATLANTIC STATES BY MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH WITH HIGHER GUSTS. WHILE LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT COUPLE OF DAYS...SANDY IS EXPECTED TO REMAIN LARGE AND POWERFUL UNTIL IT CROSSES THE COASTLINE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 105 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 520 MILES. NOAA BUOY 41036...LOCATED IN ONSLOW BAY NEAR THE NORTH CAROLINA COAST...RECENTLY REPORTED SUSTAINED WINDS OF 44 MPH AND A WIND GUST OF 59 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 960 MB...28.35 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE SPREADING ACROSS THE COAST OF NORTH CAROLINA IN THE TROPICAL STORM WARNING AREA...AND THESE SHOULD CONTINUE THROUGH TODAY. GALE FORCE WINDS ARE EXPECTED TO ARRIVE ALONG PORTIONS OF THE MID-ATLANTIC COAST LATER TODAY...AND REACH LONG ISLAND AND SOUTHERN NEW ENGLAND BY MONDAY MORNING. WINDS TO NEAR HURRICANE FORCE COULD REACH THE MID-ATLANTIC STATES... INCLUDING LONG ISLAND...BY LATE MONDAY.

STORM SURGE...THE COMBINATION OF AN EXTREMELY DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NC SOUTH OF SURF CITY...1 TO 3 FT
NC NORTH OF SURF CITY INCLUDING PAMLICO/ALBEMARLE SNDS...4 TO 6 FT
SE VA AND DELMARVA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT
UPPER AND MIDDLE CHESAPEAKE BAY...1 TO 2 FT
LONG ISLAND SOUND AND RARITAN BAY...5 TO 10 FT
ELSEWHERE FROM OCEAN CITY MD TO THE CT/RI BORDER...4 TO 8 FT
CT/RI BORDER TO THE SOUTH SHORE OF CAPE COD INCLUDING BUZZARDS BAY...3 TO 5 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED AND EXTENDED PERIODS OF COASTAL AND BAYSIDE FLOODING. IN ADDITION... ELEVATED WATERS COULD OCCUR FAR REMOVED FROM THE CENTER OF SANDY. FURTHERMORE...THESE CONDITIONS WILL OCCUR REGARDLESS OF WHETHER TROPICAL DEPRESSION POST-TROPICAL CYCLONE. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR NORTHEASTERN NORTH CAROLINA WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID-ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE FROM THE SOUTHERN TIER OF NEW YORK STATE NORTHEASTWARD THROUGH NEW ENGLAND.

SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH THE MID-ATLANTIC STATES FOR THE NEXT COUPLE OF DAYS AND SPREAD INTO THE NORTHEASTERN STATES LATER TODAY.

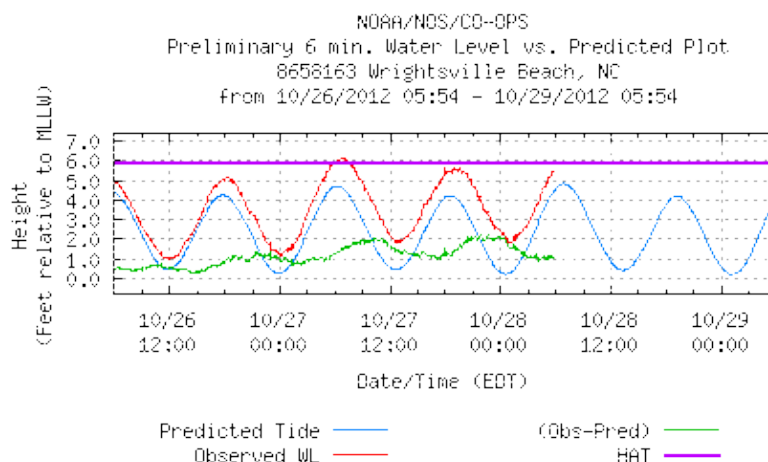
FORECASTER PASCH/CANGIALOSI

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to

NOS verification.

Jump to: [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#),
[Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [USCG Station Hatteras - Water Level](#),
[USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#),
[Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#),
[Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#),
[Wachapreague - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Winds](#), [Lewisetta - Barometric](#), [Ocean City
Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes -
Winds](#), [Lewes - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier -
Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#),

Wrightsville Beach, NC - Return to List

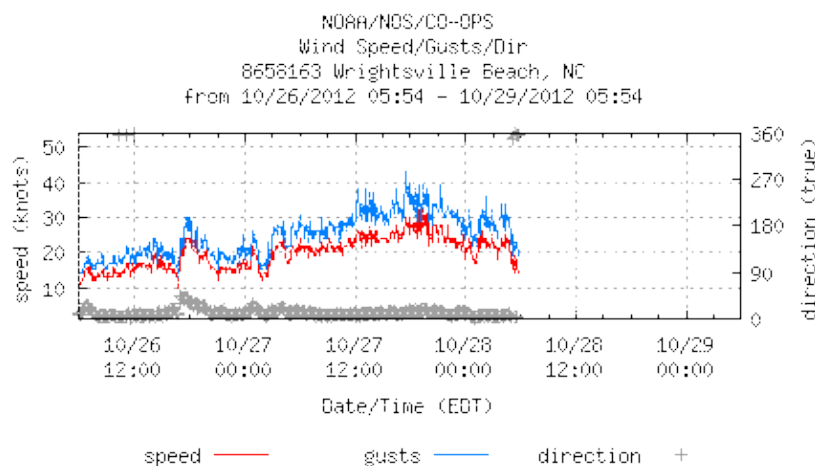


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 5.46 ft.** **Predicted: 4.40 ft.** **Residual: 1.06 ft.**

Historical Maximum Water Level: Sep 25 2008, 2.81 ft. above MHHW

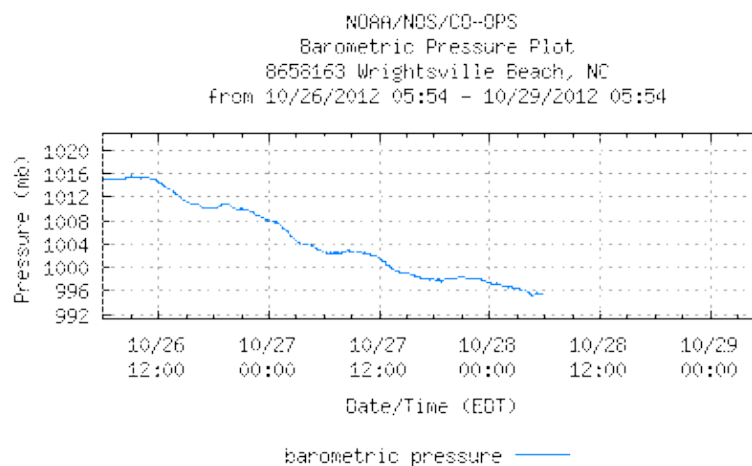
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 14 knots **Gusts: 19 knots** **Direction: 355° T**

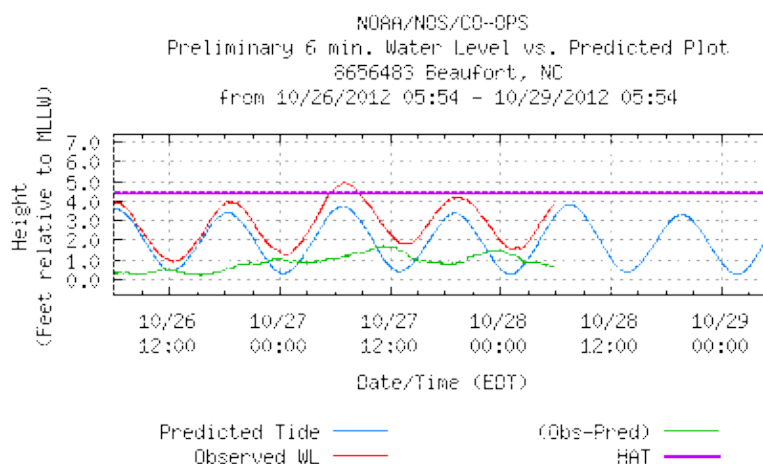
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 995.6 mb

Beaufort, NC - Return to List

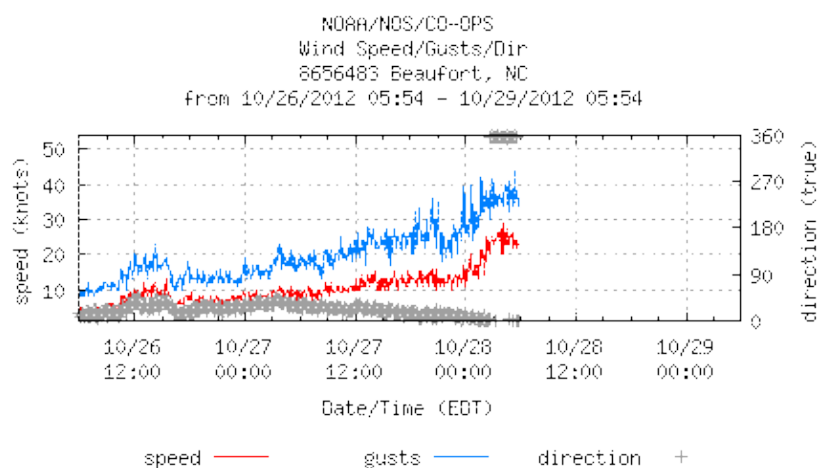


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 3.79 ft.** **Predicted: 3.11 ft.** **Residual: 0.68 ft.**

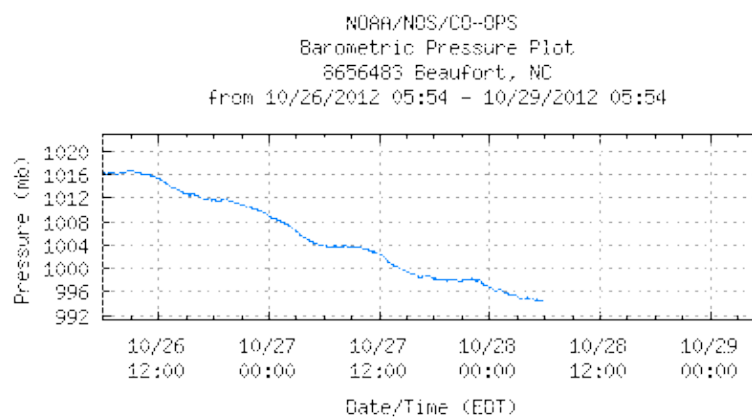
Historical Maximum Water Level: Sep 14 2005, 3 ft. above MHHW

Beaufort, NC - Return to List



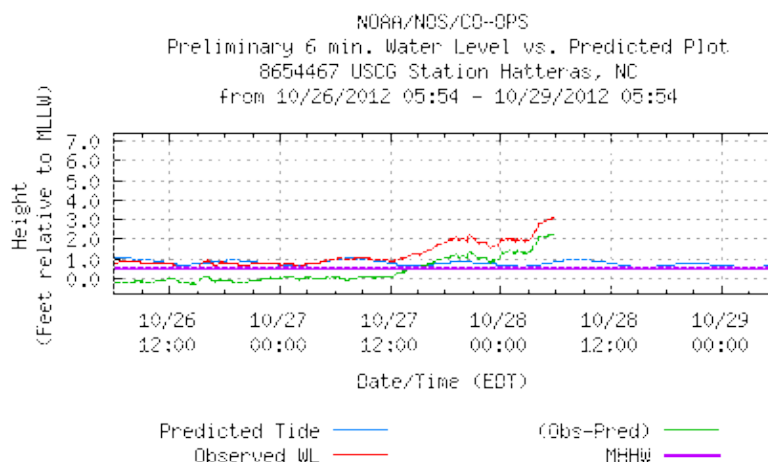
Last Observed Sample: 10/28/2012 05:42 (EDT)
Wind Speed: 23 knots Gusts: 34 knots Direction: 0° T

Beaufort, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)
Barometric Pressure: 994.5 mb

USCG Station Hatteras, NC - Return to List

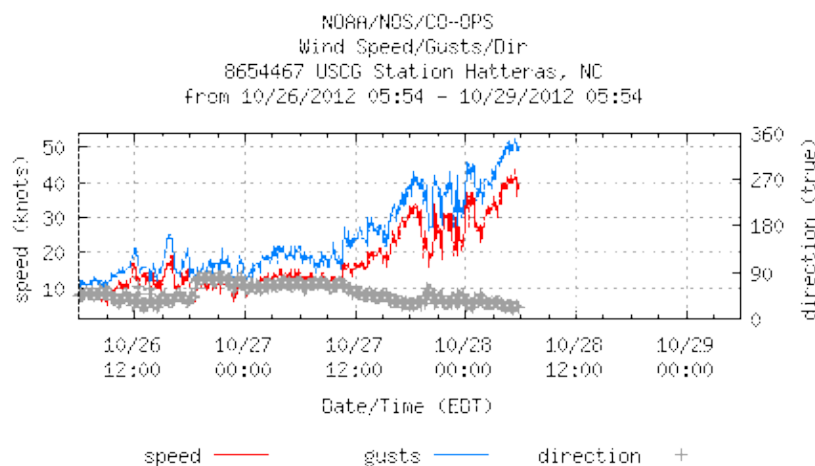


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 3.08 ft.** **Predicted: 0.83 ft.** **Residual: 2.25 ft.**

Historical Maximum Water Level: Sep 3 2010, 4.04 ft. above MHHW

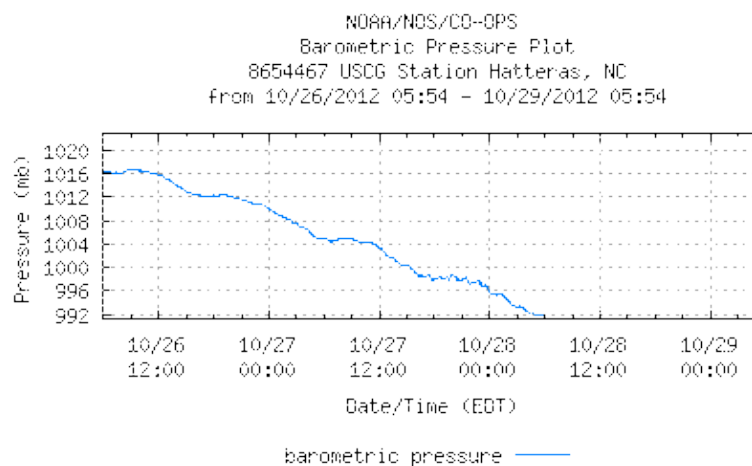
USCG Station Hatteras, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 39 knots **Gusts: 49 knots** **Direction: 24° T**

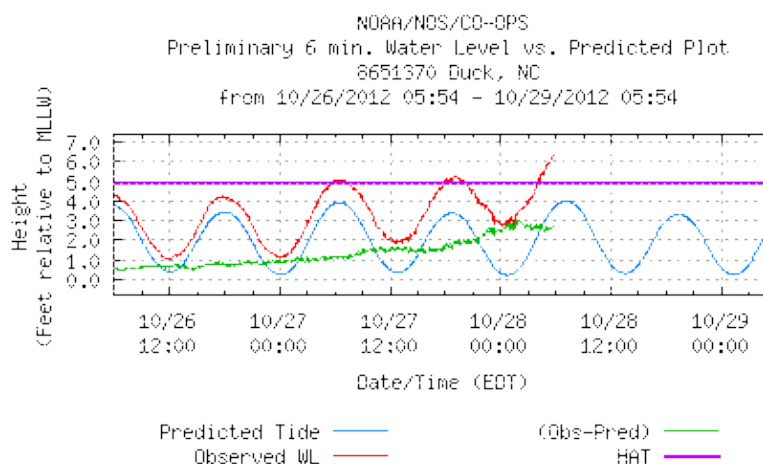
[USCG Station Hatteras, NC - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 991.8 mb

[Duck, NC - Return to List](#)

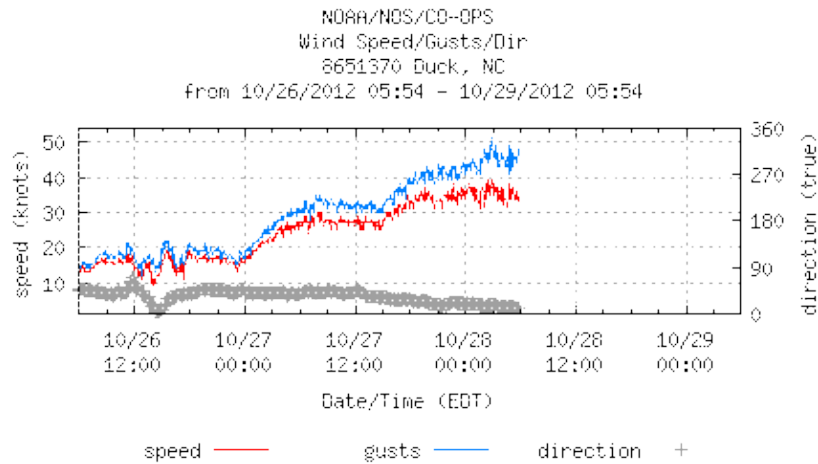


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 6.31 ft.** **Predicted: 3.63 ft.** **Residual: 2.68 ft.**

Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

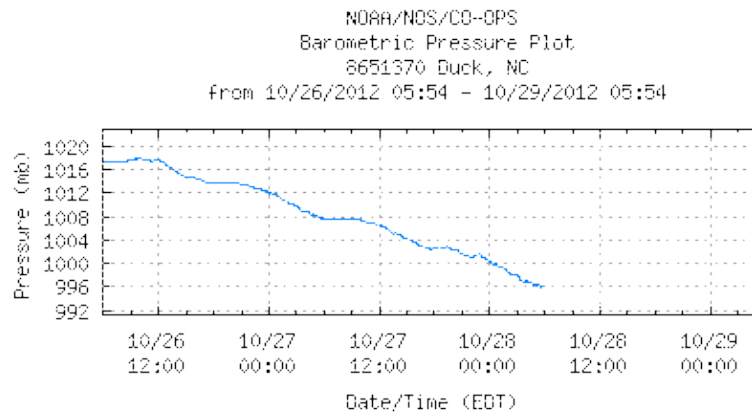
Duck, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 33 knots Gusts: 48 knots Direction: 12° T

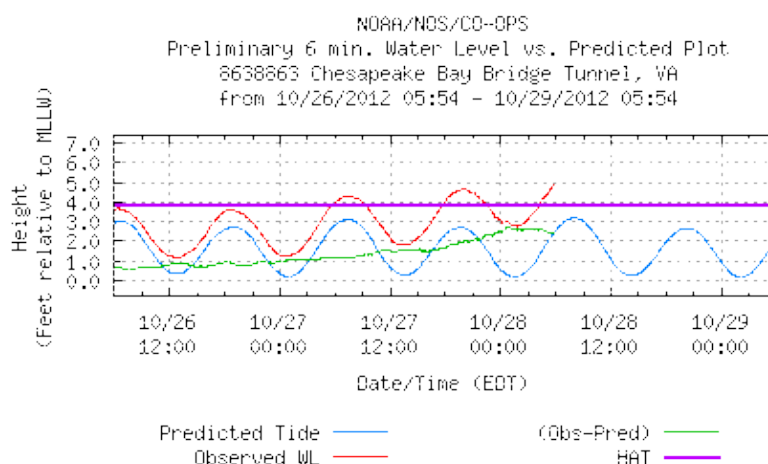
Duck, NC - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 996.1 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List

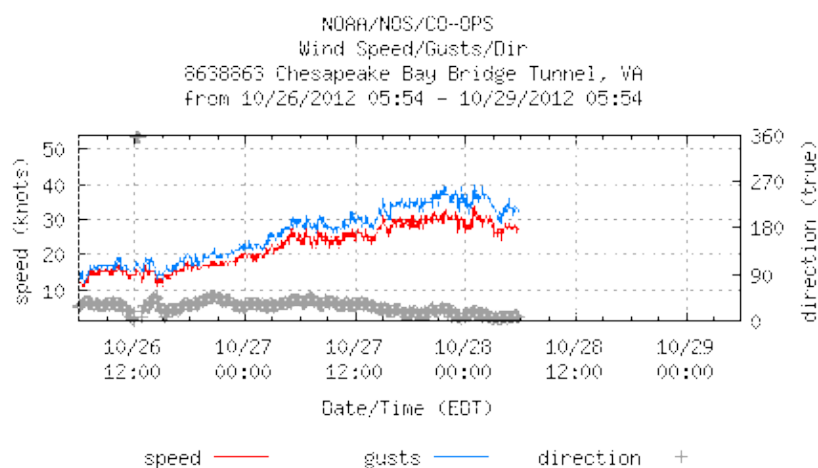


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 4.84 ft.** **Predicted: 2.38 ft.** **Residual: 2.46 ft.**

Historical Maximum Water Level: Nov 12 2009, 4.66 ft. above MHHW

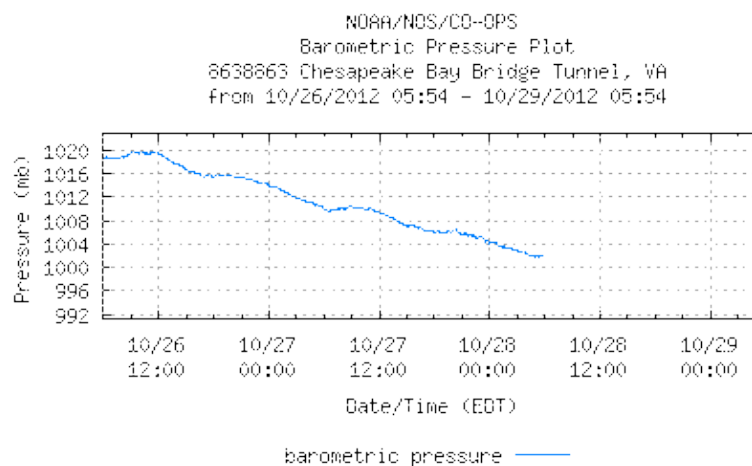
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 27 knots **Gusts: 32 knots** **Direction: 8° T**

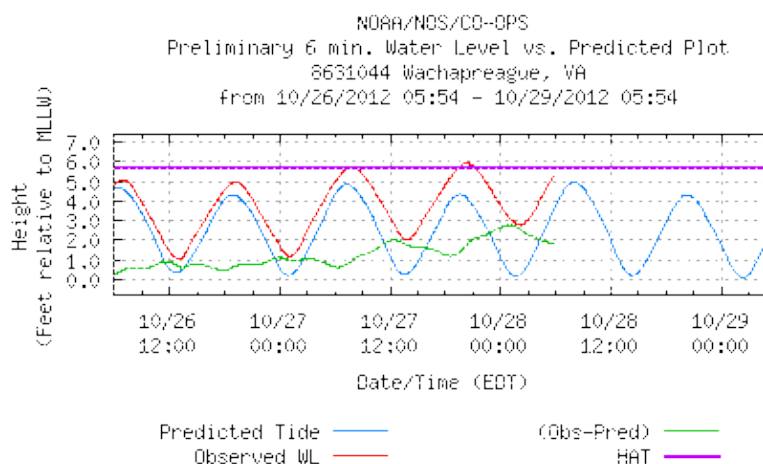
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 1001.9 mb

Wachapreague, VA - Return to List

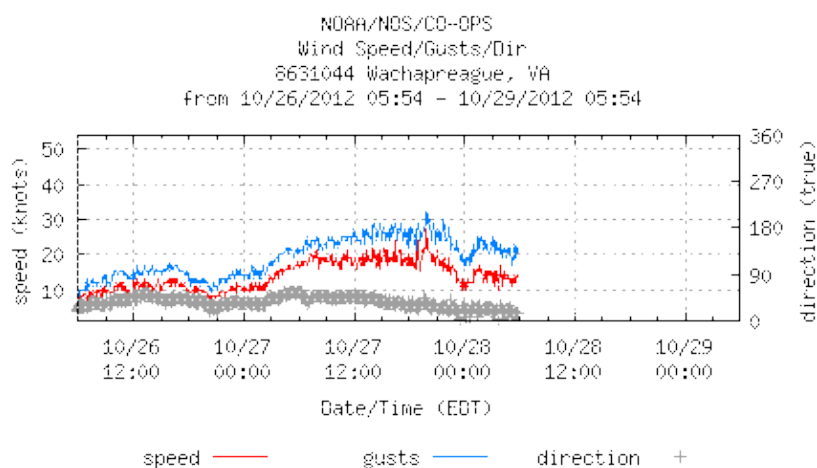


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 5.28 ft. Predicted: 3.47 ft. Residual: 1.81 ft.**

Historical Maximum Water Level: Feb 5 1998, 4.41 ft. above MHHW

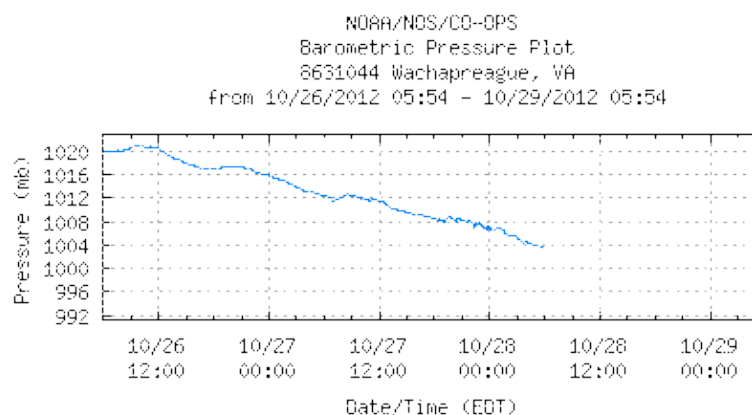
Wachapreague, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 14 knots Gusts: 22 knots Direction: 16° T

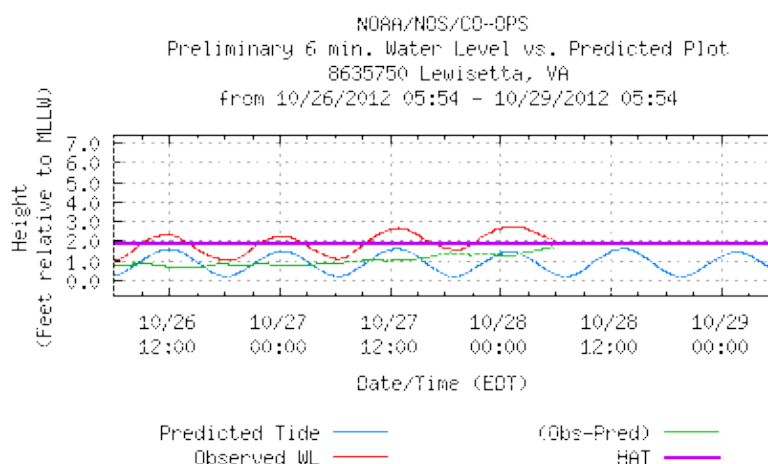
Wachapreague, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 1003.7 mb

Lewisetta, VA - Return to List

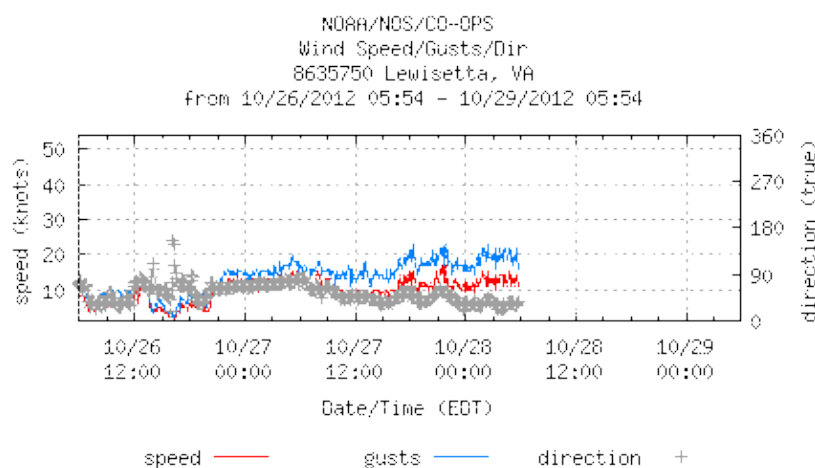


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 2.06 ft.** **Predicted: 0.37 ft.** **Residual: 1.69 ft.**

Historical Maximum Water Level: Sep 1 2006, 4.14 ft. above MHHW

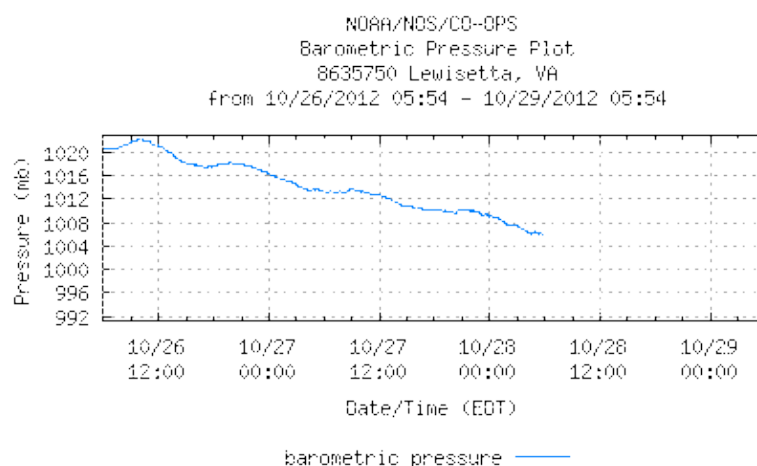
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 11 knots **Gusts: 16 knots** **Direction: 38° T**

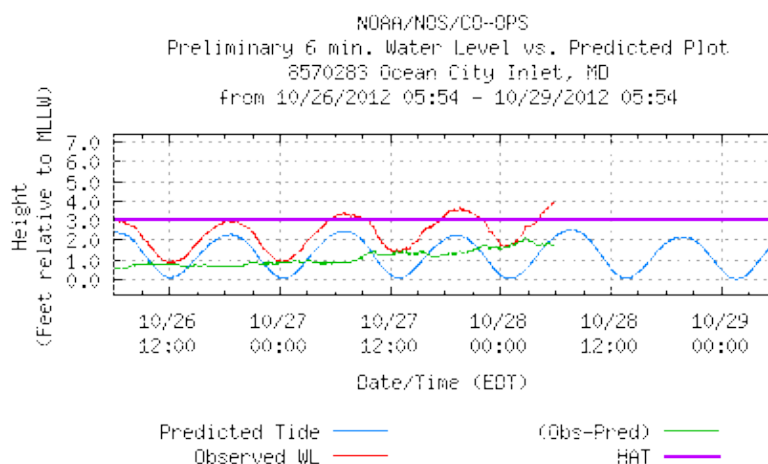
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 1006.0 mb

Ocean City Inlet, MD - Return to List

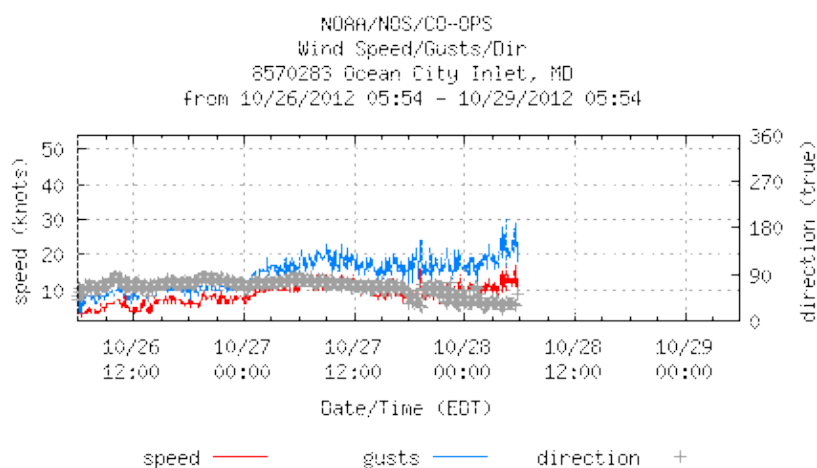


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 3.87 ft.** **Predicted: 2.11 ft.** **Residual: 1.76 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

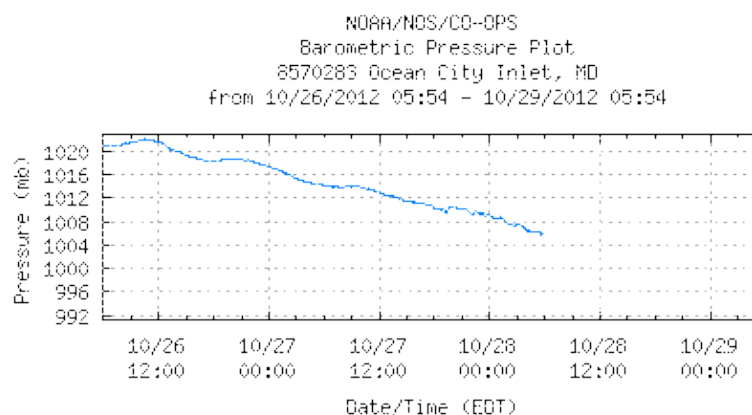
[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 9 knots Gusts: 18 knots Direction: 51° T

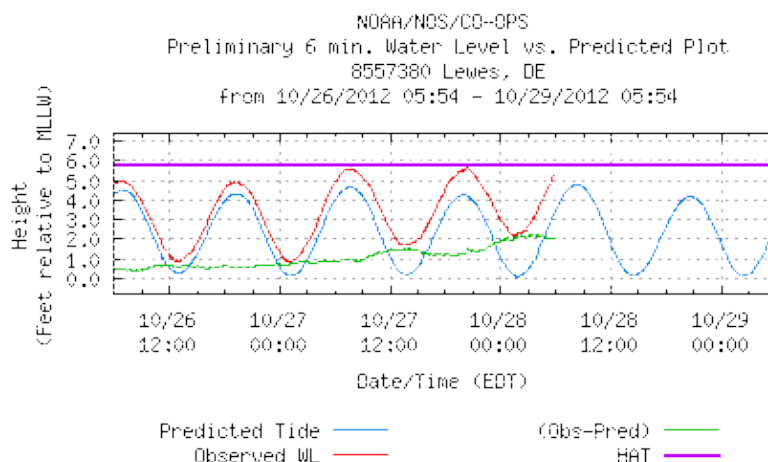
[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 1005.8 mb

Lewes, DE - Return to List

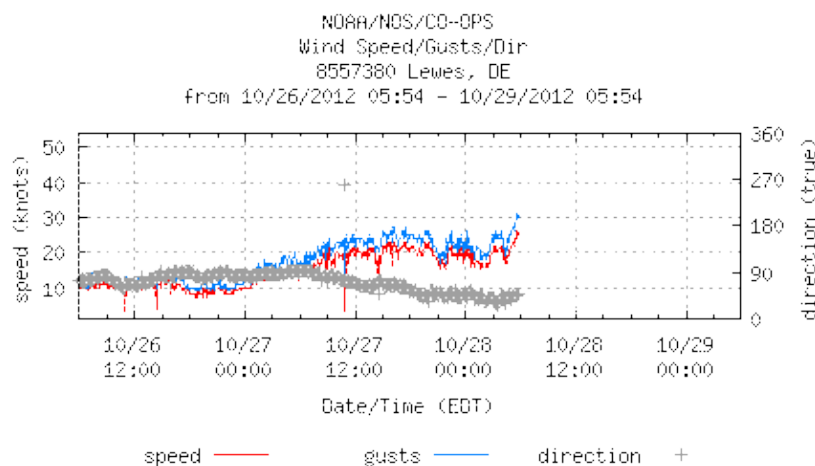


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 5.26 ft.** **Predicted: 3.19 ft.** **Residual: 2.07 ft.**

Historical Maximum Water Level: Mar 6 1962, 4.57 ft. above MHHW

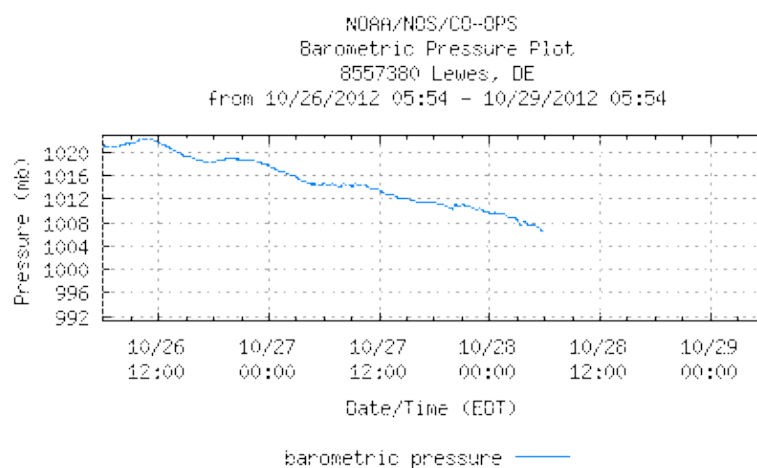
Lewes, DE - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 25 knots **Gusts: 30 knots** **Direction: 47° T**

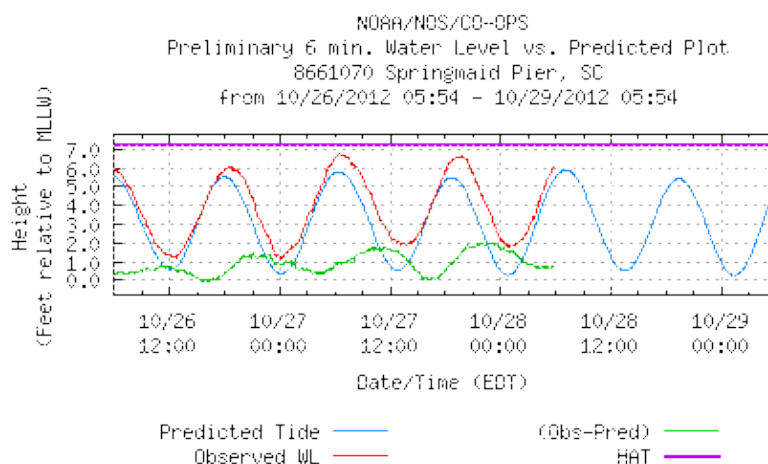
Lewes, DE - Return to List



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 1006.5 mb

Springmaid Pier, SC - Return to List

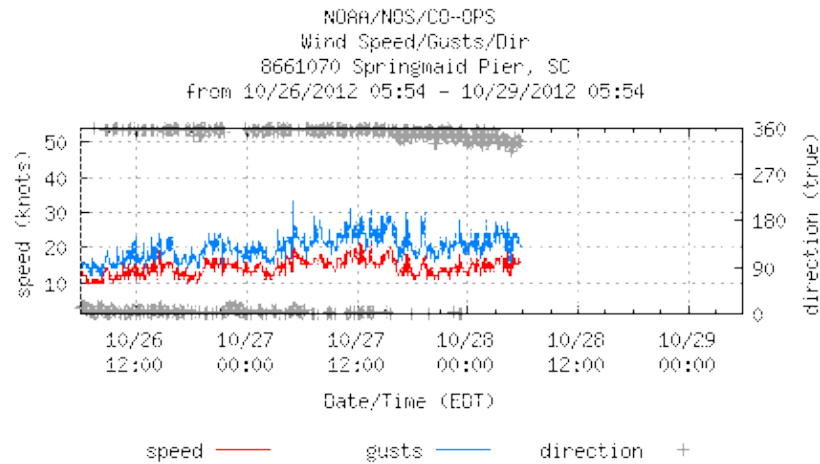


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 6.09 ft.** **Predicted: 5.31 ft.** **Residual: 0.78 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

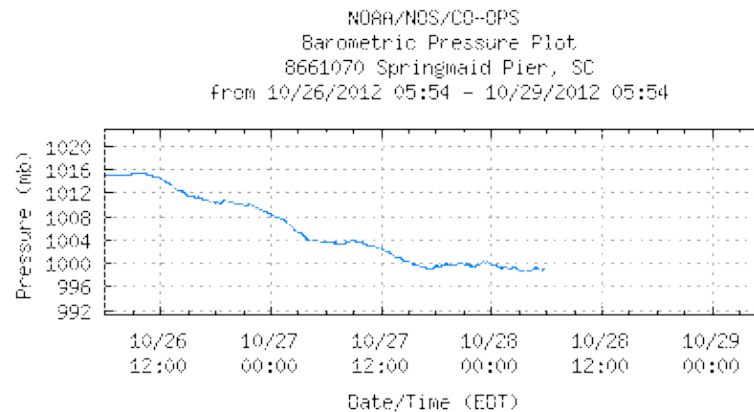
[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 16 knots Gusts: 20 knots Direction: 334° T

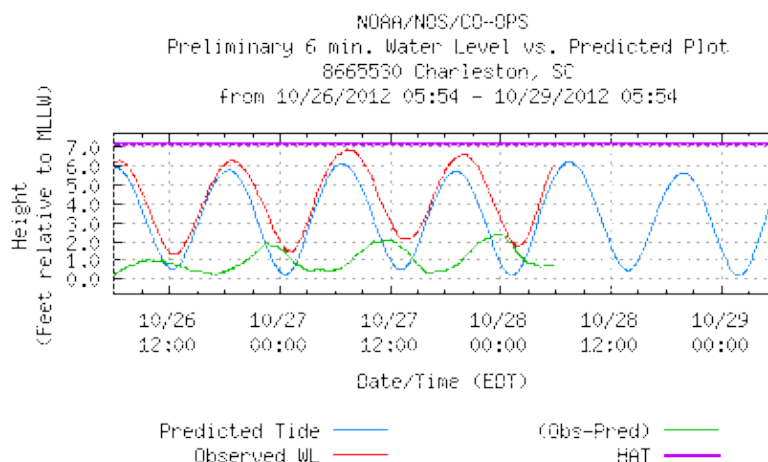
[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Barometric Pressure: 999.0 mb

[Charleston, SC - Return to List](#)

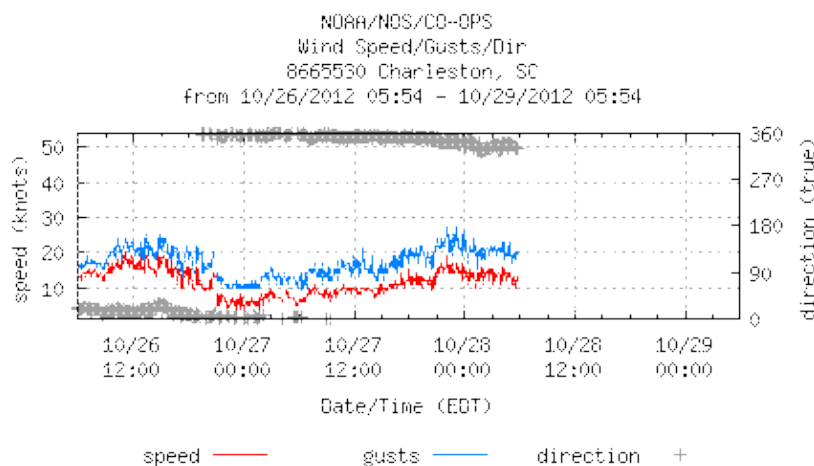


Last Observed Sample: 10/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 6.02 ft.** **Predicted: 5.29 ft.** **Residual: 0.73 ft.**

Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

[Charleston, SC - Return to List](#)



Last Observed Sample: 10/28/2012 05:42 (EDT)

Wind Speed: 13 knots **Gusts: 20 knots** **Direction: 330° T**

Hurricane SANDY QuickLook, POSTED 06:00 EDT 10/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce